

Quality E295

According to Standard EN 10025-2: 2004

Number -



Comparable Standards	W.N.	AISI
	1.0050	-

Chemical Analysis	P %	S %	N %
	0.045	0.045	0.012

Hot Work and Heat Treatment Temperatures

Temperature °C	Hot - Forming	Supply State +U	Soft Annealing +A	Isothermal annealing +I
	1150 - 850	natural	700 air	850 furnace cooling to
	Normalizing and tempering	Quenching and tempering	Stress-Relieving +SR	
	880 air 540 - 650 air	860 water 550 - 650 air	50° under the temperature of tempering	

Mechanical Properties at Room Temperature

Minimum percentage elongation after fracture %					
L = 80 mm. Normal thickness mm					
	≤ 1	> 1 ≤ 1.5	> 1.5 ≤ 2	> 2 ≤ 2.5	> 2.5 < 3
l	12	13	14	15	16
t	10	11	12	13	14

Minimum percentage elongation after fracture %					
L = 5.65 √S ₀ . Nominal thickness mm					
	> 3 ≤ 40	> 40 ≤ 63	> 63 ≤ 100	> 100 ≤ 150	> 150 ≤ 250
l	20	19	18	16	15
t	18	17	16	15	14